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This application is a continuation of U.S. Patent Application No. 09/638,208, filed August 11, 2000, by Jean-Pierre Lalonde, et al., entitled COOLING SYSTEM, now ~~allowed~~, ^{U.S. Patent No. 6,635,053} which application claims priority from and is a continuation-in-part of Application No. 09/489,646, filed January 24, 2000, by Jean-Pierre Lalonde, et al., entitled CLOSED LOOP CATHETER SYSTEM, now issued Patent No. 6,383,180, issued May 07, 2002, which claims priority from Provisional Application No. 60/117,175, filed January 25, 1999, by Marwan Abboud, et al., entitled CRYOABLATION SYSTEM, now expired, all of which are incorporated herein by reference.

IN THE CLAIMS

Claims 1-16. (Cancelled).

Claim 17. (Currently Amended) A ~~eryogenic~~ medical cooling system comprising:
a medical device;
a console ~~including accessories, the~~ connectable to the medical device at a connection point, the console controlling the temperature of the medical device, and the console including
a first system directing coolant in a mixed gas and liquid state to the medical device along a coolant supply line; and
a second system decreasing the percentage of gas in the coolant before the coolant reaches the connection point by controlling a temperature of the coolant.

Claim 18. (Currently Amended) The cooling system of claim 17, wherein the second system decreases the percentage of gas in the coolant by reducing the temperature of the coolant, and wherein the system further comprises
an chamber having an inlet and an outlet, wherein the enclosure defines a fluid path from the inlet to the outlet, and the enclosure envelops a portion of the coolant supply line; and
a controller for controlling coolant flow into the chamber.